

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1055  
 SUIT # -2  
 OUTER GARMENT W/FLOAT GEAR -2  
 HELMET # -2  
 GLOVES # -1  
 BOOTS -2

FLIGHT DATE 29 Oct 67  
 DON 1010  
 DOFF 1525  
 TIME IN SUIT 5715  
 TECHNICIAN [REDACTED]

25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>			
Max Pressure	<u>104</u>	<u>118</u>	<u>102</u>
Differential	<u>1.2</u>	<u>1.2</u>	<u>1.2</u>
Leak Rate	<u>1100</u>	<u>950</u>	<u>1250</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>112</u>	<u>110</u>	<u>112</u>
Differential	<u>1.2</u>	<u>1.2</u>	<u>12.2</u>
Leak Rate	<u>1200</u>	<u>950</u>	<u>1300</u>
Unpress Leak Rate	<u>300</u>	<u>350</u>	<u>450</u>
Face Heat	<u>18.50 hrs</u>		
Commo and Cord	<u>OK</u>		
Pencils	<u>✓</u>		
Knife	<u>✓</u>		
Controller Number	<u>33</u>		
Packet			
Grease Zippers	<u>✓</u>		
Check Location of CO <sub>2</sub>	<u>✓</u>		
Pressure Tap Screws		<u>✓</u>	

PRESSURE SUIT HOOK-UP CHECKLIST

1. ~~Packet~~ in pocket.
2. ~~Stirrups~~ secured.
3. ~~Foot rest~~ guards over seat foot rests.
4. ~~Communications~~ secured and functioning.
5. ~~Face heat~~ ON (LOW).
6. ~~Oxygen hoses~~ secured in QD.
7. ~~Three harness~~ snaps secured - harness adjusted and surplus stowed.
8. ~~Kit~~ adjusted and surplus stowed.
9. ~~Two (2)~~ bailout hoses secured.
10. ~~Lap belt~~, shoulder harness, key, secured and adjusted.
11. ~~Oxygen hoses~~ under right leg strap, chest strap under helmet hold-down.
12. ~~Emergency oxygen~~ lanyard secured and pin removed.
13. ~~Green apple~~ secured.
14. ~~Red knob~~ secured.
15. ~~Manual over-ride~~ handle secured.
16. ~~Two (2)~~ Rocket-Jet releases secured.
17. ~~Press-to-test~~ both O<sub>2</sub> Systems, (LOW pressure-#1 Sys 80/85 #2 Sys 110).
18. ~~Check~~ face heat.
19. ~~Re-adjust~~ lap belt.
20. ~~Kit~~ lanyard secured to D-ring.
21. ~~Parachute beacon~~; AUTOMATIC( ), UNSNAPPED( ), SNAPPED(☒).
22. ~~Departing~~ LOX quantity, #1 System 9.5 #2 System 9.25 TIME 1031Z
23. ~~Returning~~ LOX quantity, #1 System 7.0 #2 System 9.0 TIME 1520.

25X1A

SUBJECT

AIRCRAFT NUMBER

TECHNIC

TE OF FLIGHT

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

- ✓1. Ripcord pins seated (main and first stage).
- ✓2. Pack opening elastics secured.
- ✓3. First stage jettison mated and pins secured.
- ✓4. Two (2) rocket jet units secured.
- ✓5. Manual over ride handle secured.
- ✓6. Green apple secured.
- ✓7. Red knob secured.
- ✓8. Bailout hoses adjusted for pressure suit.
- ✓9. Bailout hose connectors operating.
- ✓10. Harness adjusted for HIGH flight.
- ✓11. Automatic openers - triggered and reset.
- ✓12. Aneroids 1400' to 7500'.
- ✓13. Bailout cylinder pins secured.
- ✓14. Bailout cylinder pressure #1 1800 + #2 1800.
- ✓15. Communication cord secured to chute.
- ✓16. Visual inspection completed.

LP. # 3  
SH. # 5

SURVIVAL KIT

- ✓1. Yellow handle secured.
- ✓2. Trigger clearance.
- ✓3. Kit disconnects secured.
- ✓4. Lid secured.
- ✓5. Visual condition.

INSTALLATION

- ✓1. Vent secured at disconnect.
- ✓2. Kit secured to chute - loose.
- ✓3. Emergency oxygen lanyard secured to chute and pin installed.
- ✓4. Communication cord secured at disconnect.
- ✓5. Vent hose secured to chute.
- ✓6. Pin secured in QD and safetied.
- ✓7. Oxygen system low pressure #1 65/65 #2 65/75.
- ✓8. Pip pin in "D" ring.
- ✓9. Stirrup cables extended and operating freely.
- ✓10. Foot rest guards over seat foot rest.

25X1A SUBJECT 1055 AIRCRAFT NUMBER 127  
TECHNICIAN [REDACTED] DATE OF FLIGHT 29 Oct 67  
SEAT KIT NUMBER 55 PARACHUTE NUMBER 102  
TYPE CUSHION 513 VENT HOSE NUMBER 60

1. ☒ Packet in pocket.
2. ☒ Stirrups secured.
3. ☒ Foot rest guards over seat foot rests.
4. ☒ Communications secured and functioning.
5. ☒ Face heat ON (LOW).
6. ☒ Oxygen hoses secured in QD.
7. ☒ Three harness snaps secured - harness adjusted and surplus stowed.
8. ☒ Kit adjusted and surplus stowed.
9. ☒ Two (2) bailout hoses secured.
10. ☒ Lap belt, shoulder harness, key, secured and adjusted.
11. ☒ Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. ☒ Emergency oxygen lanyard secured and pin removed.
13. ☒ Green apple secured.
14. ☒ Red knob secured.
15. ☒ Manual over-ride handle secured.
16. ☒ Two (2) Rocket-Jet releases secured.
17. ☒ Press-to-test both O<sub>2</sub> Systems, (LOW pressure-#1 Sys 70/75 #2 Sys 90/95).
18. ☒ Check face heat.
19. ☒ Re-adjust lap belt.
20. ☒ Kit lanyard secured to D-ring.
21. ☒ Parachute beacon; AUTOMATIC( ), UNSNAPPED( ), SNAPPED(☒).
22. ☒ Departing LOX quantity, #1 System 9.5 #2 System 9.75 TIME \_\_\_\_\_.
23. ☒ Returning LOX quantity, #1 System \_\_\_\_\_ #2 System \_\_\_\_\_ TIME \_\_\_\_\_.

AIRCRAFT NUMBER

## TIME OF FLIGHT

2nd Space

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

- ✓ 1. Ripcord pins seated (main and first stage).
- ✓ 2. Pack opening elastics secured.
- ✓ 3. First stage jettison mated and pins secured.
- ✓ 4. Two (2) rocket jet units secured.
- ✓ 5. Manual over ride handle secured.
- ✓ 6. Green apple secured.
- ✓ 7. Red knob secured.
- ✓ 8. Bailout hoses adjusted for pressure suit.
- ✓ 9. Bailout hose connectors operating.
- ✓ 10. Harness adjusted for HIGH flight.
- ✓ 11. Automatic openers - triggered and reset.
- ✓ 12. Aneroids 1400' to 7500'.
- ✓ 13. Bailout cylinder pins secured.
- ✓ 14. Bailout cylinder pressure #1 1800 + #2 1800 +.
- ✓ 15. Communication cord secured to chute.
- ✓ 16. Visual inspection completed.

SURVIVAL KIT

- ✓ 1. Yellow handle secured.
- ✓ 2. Trigger clearance.
- ✓ 3. Kit disconnects secured.
- ✓ 4. Lid secured.
- ✓ 5. Visual condition.

S.H. 7  
L.P. 4

INSTALLATION

- ✓ 1. Vent secured at disconnect.
- ✓ 2. Kit secured to chute - loose.
- ✓ 3. Emergency oxygen lanyard secured to chute and pin installed.
- ✓ 4. Communication cord secured at disconnect.
- ✓ 5. Vent hose secured to chute.
- ✓ 6. Pin secured in QD and safetied.
- ✓ 7. Oxygen system low pressure #1 15/85 #2 10/60.
- ✓ 8. Pip pin in "D" ring.
- ✓ 9. Stirrup cables extended and operating freely.
- ✓ 10. Foot rest guards over seat foot rest.

SUBJECT 1054 AIRCRAFT NUMBER 129

TECHNICIAN [REDACTED] DATE OF FLIGHT 29 oct 67

SEAT KIT NUMBER 54 PARACHUTE NUMBER 139

TYPE CUSHION 513 VENT HOSE NUMBER ~~71~~ 71

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1054  
 SUIT # -3  
 OUTER GARMENT W/FLOAT GEAR -3  
 HELMET # -4  
 GLOVES # -2  
 BOOTS -2

FLIGHT DATE 29 oct 67  
 DON \_\_\_\_\_  
 DOFF \_\_\_\_\_  
 TIME IN SUIT \_\_\_\_\_ 25X1A  
 TECHNICIAN [REDACTED]

PRESS-TO-TEST

PRE-FLIGHT

SUBJECT TEST

POSTFLIGHT

SYSTEM #1

Max Pressure

Differential

Leak Rate

SYSTEM #2

Max Pressure

Differential

Leak Rate

Unpress Leak Rate

Face Heat

Commo and Cord

Pencils

Knife

Controller Number

Packet

Grease Zippers

Check Location of CO<sub>2</sub>

Pressure Tap Screws

108  
1.1  
1200

108  
1.1  
1250  
450  
19.2

✓  
✓  
✓  
71  
✓  
✓  
✓

112  
1.3  
500

120  
1.3  
500  
500  
✓

✓  
✓  
✓  
71  
✓  
✓  
✓

114  
1.1  
800

112  
1.1  
900  
400

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* \* \* TOP SECRET \* \* \*

MISSION BX-6733

DCOL CHECK LIST

\* DENOTES MANDATORY CALL TO COMMAND POST UPON COMPLETION

H-24:00 TO H-23:30: SECURE SUITS, CHUTES, KITS AND VENT UNITS: ..... 1110-1140

DESIGNATE LIFE SUPPORT TECHNICIANS:

F.M. 127  
D.S. 129

25X1A

H-23:30: ATTEND COMMANDEPS BRIEFING:..... 1140

SUBMIT HANGAR ACCESS ROSTER, 5 CYS 1-MC 3-SECURITY 1-DCOL.....

SUBMIT RECOVERY ROSTER, 3 CYS 1-MC 1-ADMIN 1-DCOL..... 1310-1810

H-22:00 TO H-17:00: PREFLIGHT:

BOTH SUITS (EA PILOT).....

PARACHUTE AND EMERGENCY O2 SYSTEMS.....

SEAT KIT COMPONENTS.....

SUIT ROOM VENT.....

LOX VENT UNIT.....

OXYGEN CYLINDERS.....

TEST EQUIPMENT.....

TRANSPORT VANS.....

H-21:00: NOTIFY SECURITY, SEAT KIT AVAILABLE FOR PACKING:..... 11410-

H-3:00 TO H-1:40: PREPARE PREBREATHING ROOM FOR RECEIPT OF PILOT:..... 10810-0930

H-2:00 PERSONALLY CHECK WITH MISSION COORDINATOR AT C.P. TO VERIFY NAMES OF 10910

PRIMARY AND SPARE PILOTS AND AIRCRAFT:

P.....

S.....

INSTALL SEAT KIT AND PARACHUTE:.....

H-2:00: RECEIVE PACKET FROM INTELLIGENCE:..... 0910

H-1:45 TO H-1:30: SECURITY INSPECTS SUITS:..... 0925-0940

H-1:20 TO H-1:10: FLIGHT SURGEONS MEDICAL IN DCOL:..... 0950-1000

H-1:10 TO H-1:00: DEPRESS PILOT, PRESSURE CHECK EQUIPMENT:..... 1000-1010

H-0:50 TO H-0:45: TRANSPORT TO AIRCRAFT:..... 1020-1025

\*H-0:45 TO H-0:35: PILOT HOOKUP AND SUIT A/C CHECK:..... 1025-1035

H-0:35 TO TAKEOFF: STANDBY IN DCOL AND PACK LOW RECOVERY EQUIPMENT:..... 1035-1110

LANDING: REMOVE PILOT, TRANSPORT PILOT BACK TO DCOL, DESUIT PILOT:.....

DEBRIEF PILOT, EVALUATE AND CHECK RELIABILITY OF EQUIPMENT:.....

POST-FLIGHT EQUIPMENT:.....

\* \* \* TOP SECRET \* \* \*

1025-1040  
1050-1100  
1100-1110  
1120-1125  
1125-1135  
1135-1210

**25X1A**

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## MISSION PILOTS ACTIVITY SCHEDULE FOR OPERATIONAL MISSION

H-HOUR TIME PRIMARY	LOCAL TIME PRIMARY	H-HOUR TIME SPARE	LOCAL TIME SPARE	ITEM	LOCATION
H -22:30	<u>1240</u>			Pre-Mission Physical Exam	Flt Surg
H -21:30	<u>1340</u>			Eating	A/C Mess
H -20:30	<u>1440</u>			Recreation activities as scheduled	Selected Area
H -18:00	<u>1710</u>			Intelligence Review	DCOMI
H -17:00	<u>1810</u>			Initial brief. & Recreation	DCO Brief Rm
H -14:00	<u>2110</u>			Eating	A/C Mess
H -13:00	<u>2210</u>			Crew Mess	Asgd House/ Crew Mess
H -4:00	<u>0710</u>			Wake/up Psychological Ck	
H -3:30	<u>0740</u>			Final Briefing	DCO Brief Rm
H -2:30	<u>0840</u>			Breakfast	A/C Mess
H -1:20	<u>0950</u>	H 0:20	<u>1050</u>	Final Physical Evaluation	DCOL
H -1:10	<u>1000</u>	H -1:10	<u>1100</u>	Suiting	DCOL
H -:50	<u>1020</u>	H +:10	<u>1120</u>	Leave Ops	Transport Van
H -:45	<u>1025</u>	H +:15	<u>1125</u>	Arrive Aircraft	Hangar
H -:30	<u>1040</u>	H +:30	<u>1140</u>	Start Engine	Hangar
H -:20	<u>1050</u>	H +:40	<u>1150</u>	Taxi	Aircraft
H -:05	<u>1105</u>	H +:55	<u>1205</u>	Trim Engine	Aircraft
H -:00	<u>1110</u>	H +1:00	<u>1210</u>	Take Off	Aircraft
L +:25	_____			Post Mission Physical	DCOL
L +:45	_____			Ops Debrief	DCO Brief Rm
L +1:00	_____			Mission Debrief	DCO Brief Rm
L +3:30	_____			Released	

Will be worked in and around BX 6732

TOP SECRET

FROM: Mission Coordinator

28 OCT 1967

SUBJECT: Mission Alert Notification

TO: (See Below)

Request your attendance at the Commander's Briefing to be held  
in the Operations Briefing Room on N/A 196 — at  
— L. The briefing concerns the following:

1. Mission Code Name and Number: BX 6733
2. Date/Time of Launch (H-Hour): 29 10210 Z/ 1110 L.
3. Ground Spare (H+1:00): 29 10310 Z/ 1210
4. Bases: Takeoff KAD Staging — Landing KAD

25X1D

5. Ground Spare Requirements: SAME AS PRIMARY

7. Special Instructions/Comments: THERE WILL BE NO CMDR'S  
BRIEFING. IF YOU HAVE ANY COMMENTS OR PROBLEMS  
PLEASE SUBMIT THEM TO MCM COORD. IN WRITING.  
FOR THE COMMANDER

Mission Coordinator

Office	Time(L)	Recipient	Office	Time(L)	Recipient
CMDR	_____	_____	DCCL	_____	_____
DCO	_____	_____	DCOC/MC	_____	_____
DCM	_____	_____	DCOMI	_____	_____
DCS	_____	_____	DCOW	_____	_____
SECUR	_____	_____	COMMO	_____	_____
FLT SURG	_____	_____	AFCS	_____	(Notify Only)
DCOM	_____	_____	WPC(SAC)	_____	(Notify Only)

TOP SECRET

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 29 Oct 67 ACFT 129 P LOT [REDACTED]  
 TIME IN FLIGHT 4:00 TIME IN SUIT 5:15 PREBREATHING TIME 1:00

SATISFACTORY

UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

2. SURVIVAL KIT AND CUSHION <sup>#55</sup> S/B3. PARACHUTE SIN 1024. HELMET - 2

A. REFLECTIONS

B. FACE HEAT

C. COMMUNICATIONS

5. SUIT PROPER - 2A. CABIN DECOMPRESSION: YES ☒ NO6. OUTER GARMENT - 27. BOOTS AND SPURS, Q.D. Type8. GLOVES - 1

9. OXYGEN SYSTEM

DEPART		RETURN	
TIME	AMT	TIME	AMT

#1 1031 9.5 1520 70#2 1031 9.25 1520 90

10. MISCELLANEOUS

11. EVALUATION ITEMS

A. 25X1A

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)